WARNER BROS. PICTURES Presents

An ESPERANTO FILMOJ Produktado

A HEYDAY FILMS Production

An ALFONSO CUARÓN Film

G R A V I T Y

CAST

Ryan Stone ..... SANDRA BULLOCK
Matt Kowalski ..... GEORGE CLOONEY
Mission Control Voice ..... ED HARRIS
Aningaaq Voice ..... ORTO IGNATIUSSEN
Shariff Voice ..... PHALDUT SHARMA
Explorer Captain Voice ..... AMY WARREN
Russian Space Station Captain Voice ..... BASHER SAVAGE
Stunt Coordinator ..... FRANKLIN HENSON
Assistant Stunt Coordinators ..... JAMES O'DEE
PAUL KENNINGTON

Stunts
JULIETTE CHEVELEY
ANDY SMART
ARRAN TOPHAM
GARY ARTHURS
SHELLY BENISON
ELEANOR BURROUGHES
STEPHANIE CAREY
DAVID CRONNELLY
KIM McGARRITY
BELINDA McGINLEY
JO McLAREN
CASEY MICHAELS
SIAN MILNE
BEAN PEEL
DIZ SHARPE

FILMMAKERS

Directed by ..... ALFONSO CUARÓN
Written by ..... ALFONSO CUARÓN & JONÁS CUARÓN
Produced by ..... ALFONSO CUARÓN
DAVID HEYMAN
Executive Producers ..... NIKKI PENNY
CHRIS deFARIA
STEPHEN JONES
Director of Photography ..... EMMANUEL LUBEZKI, A.S.C., A.M.C.
Visual Effects Supervisor ..... TIM WEBBER
Production Designer ..... ANDY NICHOLSON
Editors ..... ALFONSO CUARÓN
MARK SANGER
Costume Designer ..... JANY TEMIME
Music by ..... STEVEN PRICE
Additional Photography by ..... MICHAEL SERESIN, BSC
First Assistant Director ..... JOSH ROBERTSON
Associate Producer ..... GABRIELA RODRIGUEZ
CG Supervisor ..... CHRIS LAWRENCE
Senior Animation Supervisor ..... DAVID SHIRK
Visual Effects Supervisor ..... RICHARD McBRIDE
Visual Effects Producer - Framestore ..... CHARLES HOWELL
Animation Supervisor ..... MAX SOLOMON
Compositing Supervisors ..... ANTHONY SMITH
MARK BAKOWSKI
CG Modelling Supervisor ..... BEN LAMBERT
CG Lighting Supervisor ..... PAUL BEILBY
CG Sequence Supervisors ..... HARRY BARDAK
STUART PENN
CG Effects Supervisor ..... ALEXIS WAJSBROT
CG Simulation Supervisor ..... SYLVAIN DEGROTTE
Look Development Lead ..... IAN COMLEY
Senior R&D Artist ..... NATHAN WALSTER
Lead Animators ..... MATHIEU VIG
DALE NEWTON
Previsualization Artist ..... VINCENT AUPETIT
Stereoscopic Supervisor ..... CHRIS PARKS
Supervising Art Director ..... MARK SCRUTON
Special Effects Supervisors ..... NEIL CORBOULD
MANEX EFREM
Supervising Sound Editor/Sound Designer ..... GLENN FREEMANTLE
Re-Recording Mixer ..... SKIP LIEVSAY
First Assistant Editor ..... TANIA GODING
Music Editor ..... CHRISTOPHER BENSTEAD
Music Supervisor ..... GEORGE DRAKOULIAS
Re-Recording Mixer/Sound Design Editor ..... NIV ADIRI
Supervising Dialogue/ADR Editor ..... NINA HARTSTONE
Production Sound Mixer ..... CHRIS MUNRO

Supervising Digital Colorist ..... STEVE SCOTT
Financial Controller ..... ANDY HENNIGAN
Visual Effects Production Manager ..... ANNA PANTON
Visual Effects Editor ..... STEVE PANG
Visual Effects Coordinator ..... LUCINDA KEELER
VFX Coordinator & Lead Matchmover ..... JACK HAWKES
Production Coordinator ..... JONATHAN SCOTT
Casting by ..... LUCINDA SYSON
DAVID RUBIN
RICHARD HICKS
Concept Artists ..... ANDREW WILLIAMSON
CHRIS BAKER
JON BUNKER
JULIAN CALDOW
3-D Concept Modellers ..... PAUL THREADGOLD
JAMIE MARTIN
IVAN WEIGHTMAN
DAN MAY
RHYS PUGH
Illustrators ..... TEMPLE CLARK
JANE CLARK
JIM CORNISH
3-D Draughtsman ..... MATT SIMS
Graphic Artists ..... HELEN KOUTAS
NEIL FLOYD
Art Department Coordinator ..... HEATHER NOBLE
Art Department Assistant ..... CAROLINE POOL
Camera Operator ..... PETER TAYLOR
Steadicam Operator ..... ALF TRAMONTIN
First Assistant Camera ..... OLLY TELLETT
Second Assistant Camera ..... DORA KROLIKOWSKA
Motion Control Operators ..... RAUL RODRIGUEZ
OLIVER KELLMANN
Post Production Executive ..... MARIANNE JENKINS
Post Production Supervisors ..... EMMA ZEE
JESSIE THIELE SCHROEDER
Production Accountant ..... DILIP PATEL
First Assistant Editor ..... DEBORAH RICHARDSON
3-D Conform Editor ..... ALASTAIR GRIMSHAW
Visual Effects Assistant Editor ..... STEVEN MATES
Post Production Coordinator ..... SIOBHAN BOYES
Sound Design Editor ..... BEN BARKER
Dialogue Editors ..... EMILIE O'CONNOR
GILLIAN DODDERS
Sound Effects Editors ..... EILAM HOFFMAN
DANNY FREEMANTLE
Assistant Music Editor ..... ROBIN BAYNTON
Assistant Visual Effects Coordinator ..... TYLIE COX
Matchmover ..... CLAIRE WALKER

Motion Control Robots provided by BOT & DOLLY, LLC

JEFF LINNELL ASA HAMMOND TARIK ABDEL-GAWAD
KENDRA BYRNE

Digital Acquisition Supervisor ..... JAMES EGGLETON
Digital Acquisition Producer ..... MARC DANDO
Digital Recording/Colour Technician ..... PETER MARSDEN
Digital Lab Technician ..... ROB MAY
Look Development Colorist ..... GREG FISHER
Codex Operators ..... PIERS LEIGHTON
ROSS FALL
LAURA REDPATH
Digital Acquisition Coordinator ..... BEN PERRY
HD Playback Operators ..... LEON BUCKLEY
IAN DOBBS

Visual Effects by Framestore

Additional CG Supervision

ANDY WALKER MIKE MULHOLLAND

CG Modellers

SAM GORDON ROMAIN SEGURADO KATHERINE WISDOM
CHRIS COOK MATHEW COOLING RONAN CARR FANNING
MAX VOGT VINCENT TECHER JON VEAL
WILL BURDETT JOSE LAZARO MYLES ASSETER
BILLY BUTLER MATT BEALE JEREMY BERRUEL
CHRIS CLOUGH JOREL LATRAILLE JAKOB KOUSHOLT
EMIL MALM ATANAS ATANASOV WILLIAM BRAND
BILLY PERRY SARA DIAZ SAM REMFRY
MICHAEL HASLAM DAVID BATES ARMANDO SEPULVEDA
Rigging Supervisor NICO SCAPEL

Rigging Leads

LAURIE BRUGGER PIERRE-LOIC HAMON

Rigging Artists

FEDERICO FAVARO MAURO GIACOMAZZO MATTHIEU GOUTTE
RIKKI KNIGHT TREMBATH JOSE MARTIN JARL MIDELFORT
ANDY PHILLIPS

Texture Artists

IAN MATHEWS MICHAEL BORHI MARK TAYLOR
DANIEL FAVINI CHRISTINA LUM LAURENCE SMITH
HOLGER WENZL ADAM REDFORD NEGIN BAIRAMI
LASZLO MOLNAR VIRGINIE DEGORGUE DAREN HORLEY
LEIGH VAN DER BYL JASMINE WONG NGOC HOA HENG
SALLY WILSON MARK WAINWRIGHT DANNY GEURTSEN
HENRY SOUTH

Previsualisation Supervisor DADI EINARSSON

Previsualisation Artists

KRISTIAN ANTONELLI
XAVIER ZAHRA
JOURDAN BIZIOU

CHRISTOPHER JOHNSTON
GEOFF HEATLEY

LIAM RUSSELL

WEI XING YONG
BRYON CALDWELL
JASPER PARKER-TRENFIELD
BRETT MARGULES
DUNCAN RANSOM
KARL ERLANDSEN
SIDNEY KOMBO
EDDIE PRICKETT
GRAHAM GALLAGHER
JEAN POH

JUAN LUIS SANCHEZ

JAMES NICHOLL
JESSICA AMBER HURST
PAUL HURWITZ
BASTIAN KLUCKER
ADRIAN PINDER
MARCUS OTTOSSON
ERVIN KASZAP
MICHAEL THOMPSON
PHILIP J. ROBINSON

FREDDY SALAZAR
GORDON CURTIS
WILLIAM ALEXANDER
STEPHEN MACKERSHAN

MARK OSBORNE
JAMIE STEWART
SYLVAN DIECKMANN
BENJAMIN MAGANA
GORDON SPENCER DE HASETH

CG Environment Lead

STEVEN MOOR

ADRIAN MILLINGTON
ARDA UYSAL
ALBERT CHENG

Technical Previsualisation

BHAUMIK PATEL

Lead Animators

MICHAEL BRUNET

Animators

JEAN-BAPTISTE CUMONT
ADELINE GRANGE
LAURENT BENHAMO
DANIEL GERHARDT
SVEN ASSMUSS
ELWALEED SULIMAN
JONNY HALL
PEP L. LLADO
JOSE LUIS DE LUCAS (PEPE)
LAURENT LABAN

Simulation Leads

Simulation Artists

WAYDE DUNCAN-SMITH
ALESSANDRO GOBBETTI
ANDREA ARGHINENTI
KEN SHIMIZU
PHOENIX CHAN
ANDREA TOZZO
SAGAR RATHOD
KISHORE SINGH
PENN STEVENS

CG Lighting Leads

UZMA CURTIS
ANDY KIND
LAURA DIAS

CG Lighting Artists

DAVID FISH
MARK WILSON
YANN DUPONT
NICOLA FONTANA
OLIVIER MARTINY
MAX PERSSON
JEFF NEWTON

Environment TDs

PAUL BURTON

ANDREW SILKE
EDDIE CHEW
SHAWN HULL

SIMON CARLILE
MANJUSHA BALACHANDRAN

SIMON THISTLETHWAITE

KUBILAY KOCAOGLU
FLORIAN PARROT
OSCAR CARAMBANO
ALDO GAGLIARDI
AZIZ KOCANAOGUILARI
STEIN LOETVEIT
BENOIT BARGETON
SHAHAR LEVAVI
ALFONSO SICILIA
MARIO DE DIOS

RUSSELL LLOYD

MICHELLE DEAN
DEVDATTA NERURKAR
CHIRAG MISTRY
DAN WARDER
DANIELE ANTINOLFI
RYAN RUBI
SUE WILLIAMS
STEVEN SANDLES
NIKHIL M. ANAND

MARINE POIRSON
JAMIE ISLES
CLAIRE MICHAUD
NOAH KLABUNDE

SEBASTIAN CHORT
BLANDINE CHANTEUR
GRAHAM WOOD
ROBIN REYER
JEREMY CELESTE

ROBERT O'NEILL

PATRICK LOWRY
Stereo Camera Layout

HORACIO MENDOZA

YANN MOALIC
EOGHAN CUNNEEN
GREG LOUDEN
JOHANNES RICHTER
POYA SHOHANI
ROB RICHARDSON
Matte Painting Supervisor

FLORENCE DURANTE
IRENE NAVARRO

MATTHEW EVANS
JON HARTLEY
Additional Compositing Supervision

ADRIAN METZELAAR
MATTHEW TWYFORD
MARK CASEY
JOHN PECK
TOM BASKAYA

CLAUDIA LECHEN
DAVID SIMPSON
STEPHANIE SAILLARD
ANTHONY RICHARD LEACH
AMY DAVIS
TIGRAN BADALYAN
GIACOMO MATTEUCCI
LEO NEELANDS
KATE BURGESS
ELLIE MEURE
Plate Dimensionalisation Lead

SCOTT BOURNE

ALEX SWANN
DANIEL BATT
MILEN PISKULIYSKI
JESS HUNT
ROBERT EVANS

JAMES HARMER
CG Effects Leads

GUILLAUME FRADIN
CG Effects Artists

SARA DIAZ
DUARTE VICTORINO
VINCENT HOUZE
SANDY SUTHERLAND
ANTHONY CHAPPINA
DAVID LOUIS
JASON HORLEY
Matte Painters

ANTOINE GONCALVES
CARL EDLUND
Assistant TDs

JACK STRAW
GARY NOBLE
KYLE McCULLOCH
Lead Compositors

THOMAS DYG
BRUCE NELSON
WOLF CHRISTIAN ZEH
THEODOR GROENEBOOM
JAMES FLEMING
SAM OSBORNE
Compositors

ROLAND FRIEDRICH
ROB GARNER
ADRIANO MULE
GAVIN McKENZIE
ALED RHYS JONES
MARCO ENGELMANN SANTOS
ELENA TOPOUZOGLOU
MANUEL PEREZ
MIGUEL CARBALLAL

SAM SALEK
Rotoscope Leads

MICHAEL BAKER
Rotoscope Artists

RAVI KASUMARTHY
PRATHAP SEKAR
RICHARD COURTMAN
CHING-YI CHEN
DAVID NOLAN

FELIPE CANFORA

NIGEL ANKERS

THANOS TOPOUZIS
EMANUELE PARIS
REINHOLD RITTINGER
SELCUK ERGEN
BEN FROST
STEPHEN HARDY

CHARLIE BENNETT
SCOTT McINNES

JOSEPH WORTHINGTON
RAJIV PERSEEDOSS

BJARNI BRAGASON
ANTHONY SANTORO
VLADISLAV AKHTYRSKIY
KEVIN BELL
CHARLIE ARMSTRONG

ARIANNA LAGO
JUAN SALAZAR
HELEN BUNKER
MARC RICE
ADAM PARKER
ALEXANDER ERIKSSON
BEN AICKIN
CHRISTIAN KAESTNER
OTTO THORBJORNSEN
AARON LEAR

JONATHAN TURNER

KAI GADD
HENRIK LINNET
MICHAEL TODD
GUNNHILDUR THORKELSDOTTIR
VALUR ZOPHONIAS

ABBY JACOBSEN
DAN VICTOIRE
LEE CHAN POPO
JOE DE MEY
ALTUG TUMER
SCOTT DAWKINS

LARS ERIK ERIKSEN
HOLLIE TAYLOR
JAKUB JEZEK
JOAQUIM SANTOS
GARETH JONES
SIAN REES

MARK MILLENA
OLIVER FERGUSSON-TAYLOR
SASHA IZADPANAH
KYE DORRICOTT
GARETH TREDREA
DONIA SONKOR

Matchmove Artists

PAUL INGRAM
MARK TUDOR-WILLIAMS
MAX SMITH
MANJOE CHAN
BERNARD WICKSTEED
CHRIS HALDANE

ANTONIO COVELO
OZ DOLPHIN
VICTORIA HODSON
NICK NEWBERRY
LUKE GIBBARD

NATALIE YOUNG
ALEXANDER CAMERON
THOMAS GIRDWOOD
SARAH GATEFIELD
DIEGO PASTOR
HOLLIE TAYLOR

Visual Effects Producers

RICHARD GRAHAM
Associate Visual Effects Producer

FIONA WALKINSHAW
RICHARD OLLOSSON

LORNA PATERSON

Visual Effects Production Managers

DANIELLE MORLEY

MARCUS GOODWIN
WARWICK HEWETT

LEXIE BUSBY

Visual Effects Coordinators

CLAIRE GALPIN
LAUREN KNOWLTON-PARRY
EOIN HEGAN
AYSHA LEY

JAN MEADE
BONNIE LIN
SARAH LISTER
SOPHIE CARROLL

EMMA BACON
FIONA CARRUTHERS
MATINA SKOUTERI
RICK POLEY

Additional Visual Effects Supervision

BEN MORRIS

JONATHAN FAWKNER

Visual Effects Editors

PHIL ELDRIDGE
TOM WOODALL

LARS VINTHER
TABITHA DEAN

RUSSELL PAWSON
LUKASZ BUKOWIECKI

Head Of R&D

MARTIN PRESTON

Research & Development

PER KAREFELT
MATTHIAS BAAS

MICHAEL BLAIN
FIONA LIU
DAVID RUSSELL

JOAO JORGE
VINCENT BONNET

Head of Shading

DANIEL EVANS

Shading

ALEX ROTHWELL

JOAO JORGE
ADRIAN BELL

JAMI LEVESQUE

Production Tools

ALEX JACKSON
Pipeline Lead TD

ARISTOMENIS KATZAGIANNAKIS
JAMES LIU

NICK ROSS

Pipeline TDs

PETER CAPELLUTO
MAX WILLIAMS
DAPHNA WEGNER
NICHOLAS HAMPSHIRE

DIONI ZHONG
ANTONIO MARRA
MICHELE BOSI
BOON PANICHPRECHA

LARS VANDERBIJL
DECLAN McGUIRE
JOSE GOMEZ
RICO DOBER

FRANCOIS BLEIBEL
IAN THOMPSON
JACOB TELLEEN
Motion Capture Supervisor

ERIC FENG
ERYN ROSTON

MATTHEW BARNETT
PAUL ROBERTS
Chief Technology Officer

KARSTEN HECKER
CHRISTOPHE MESLIN
BEREN LEWIS
KRIS TUCKNOTT

CLYM DODDS

JOHN VAN LEEUWEN
STEFANO TABACCO

BEN GUTHRIE
Motion Capture TDs

GARY MARSHALL
TRISHA MANBECK
Render Support

ADAM WARD
KUN PAN
STEVE MACPHERSON
Systems Engineers

STEVE SEXTON
DANIEL LAWRENCE
DAVE ROBINSON
JAMES ROSE
Data Operations

TOLU AINA
HENRY BUSH
DANIELE FEDERICO

ARON MERRITT
DAN KUNZ

MARK BERRY
JOHN RAY

JIM VANNS
ANDY HOWARD
PAUL MARTIN
MARK HILLS

JAMES PARSONS

Greenland Casting by ..... VILBORG EINARSDOTTIR
KRISTJAN FRIDRIKSSON
Pro Tools Operator ..... WILL TOWERS
Sound Playback Operator ..... JIM McBRIDE
Boom Operator ..... STEVE FINN
Script Supervisor ..... LAURAJANE MILES
First Assistant Director – Additional Unit ..... EDWARD BRETT
Lighting Supervisor– Additional Unit ..... ASHLEY PALIN
Chief Lighting Technician ..... JOHN 'BIGGLES' HIGGINS
Best Boy ..... KEVIN EDLAND
Rigging Gaffer ..... WAYNE LEACH
Lighting Technicians ..... STEPHEN MATHIE
DARREN HOWTON
BERNARD O'BRIEN
GEORGE BIRD
LED Lighting Technicians ..... CARL MARTIN
DAN SOAVE
Key Grip ..... PAT GARRETT
Dolly Grips ..... BRIAN TAYLOR
PHIL MURRAY
TONY ROWLAND
Second Assistant Camera– Additional Unit ..... TOM WADE
Chief Lighting Technician– Additional Unit ..... TERRY MAY
Video Operator– Additional Unit ..... JACK WARRENDER
Costume Coordinator ..... EMILY-ROSE YIAXIS
Costumers to Ms. Bullock ..... JENNY HAWKINS
JEMMA JESSUP
Costumer to Mr. Clooney ..... TAMSIN FLOWER
Makeup Artist to Ms. Bullock ..... PAMELA WESTMORE

Hair Stylist to Ms. Bullock ..... JANINE THOMPSON
Hair Stylist to Mr. Clooney ..... WALDO SANCHEZ
Set Decorators ..... ROSIE GOODWIN
JOANNE WOODLARD
Production Buyer ..... BILLY EDWARDS
Assistant Set Decorator ..... SOPHIE COOMBES
Assistant Production Coordinator ..... GLENN DIOT
Production Secretary ..... KEVIN BAULCOMB
Assistant to Mr. Heyman ..... OLIVER WISEMAN
Executive Assistant to Ms. Bullock ..... MAGGIE BIGGAR
Assistant to Mr. Clooney ..... ANGEL McCONNELL
Environmental Steward ..... AARON MATTHEWS
Physical Trainers to Ms. Bullock ..... SIMONE AYESA
DEONE ZANOTTO
Support Staff to Mr. Cuarón ..... CHRIS POPHAM
Second Assistant Director ..... BEN HOWARD
Second Assistant Director – Additional Unit ..... MARCIA GAY
Third Assistant Director ..... TOM BREWSTER
Set Production Assistants ..... ANNIE HITCHCOCK
DAVID SMITH
AMY IRVINE
Technical Robot Assistants ..... JOEL CLARKE
ADAM HOLMES
Additional Stereographers ..... ANGUS CAMERON
MELISSA BYERS
Unit Production Manager - Arizona Unit ..... DAVID SIEGEL
First Assistant Director - Arizona Unit ..... STEPHEN HAGEN
Astronaut Advisor ..... ANDREW THOMAS
Medical Advisor ..... DR. JOHNNY GAYNER
Assistant Accountants ..... FRANCES RICHARDSON
SAMMY HORTON
BETTY AINSLIE
STEPHEN McCONNELL
VALERIE ROSEWELL
GEMMA TODD
FIONA McLAREN
Standby Wiremen ..... KEVIN MATTHEWS
GRANT WIESINGER
Standby Carpenter ..... DARREN HAYWARD
Standby Riggers ..... DEAN SMITH
DANNY WEBSTER
ALAN PEREZ
Standby Stagehand ..... MARTIN O'CONNOR
Special Effects Floor Supervisors ..... IAN CORBOULD
ALAN YOUNG
Special Effects Coordinator ..... SAMANTHA KNOX-JOHNSTON
Special Effects Lead Senior Technician ..... STEVE CULLANE

Special Effects Senior Technicians ..... DAVID POOLE
ROBIN SCHOONRAAD
VINCENT ABBOTT
TERRY JONES
CHRIS LOVEGROVE

Motion Control Operator ..... IAN MENZIES

Special Effects Technicians ..... JONATHAN BICKERDIKE
MARK GREW
STUART KERR
KEVIN LUMLEY
MATT WOOD
KAROL STACHOWICZ

Special Effects Modellers ..... KATE SMITH
VANESSA BASTYON
FIONA CAZALY

Property Master ..... CHRIS CULL

Props Storeman ..... LLOYD VINCENT

Chargehand Standby Props ..... DARREN REYNOLDS

Dressing Propman ..... DANIEL BRYANT

Standby Propman ..... STUART WALPOLE

Prop Buyer ..... STUART MERIDEW

HOD Modeller ..... PIERRE BOHANNA

Supervising Prop Modellers ..... JOHN WELLER
DAY MURCH
STEPHEN KILL

Senior Prop Modellers ..... JAMES BARR
CHRIS ELDRIDGE
ADRIAN GETLEY
FRANCES SWEENEY

Prop Modellers

TIFFANY KEARSLEY	JONATHAN JACKSON	STEPHEN WOTHERSPOON
CATRIONA MacCANN	DAVID ALLUM	SARAH CLAMP
DAVID MERRYWEATHER	NEIL ELLIS	WILLIAM SUMPTER
WILLIAM PEARSON	CHANCHI WAN	HARRIET JOHNSON
ROB THOMPSON	GARY FAULKNER	JEZ PLUMRIDGE
TAMZINE HANKS	CHRIS HAYES	DAN CURTIS
RUTH GEORGE	MAYA MESCHEDE	MARRIANE BENDTSEN
ANDREW JOSLIN		JESSICA HARRIS FREETH

Construction Manager ..... PETER BROWN

Movement Coach ..... FRANCESCA JAYNES

Movement Artists ..... MIKEY BRETT
ROBIN GUIVER
AVYE LEVENTIS
AL NEDJARI
BEN THOMPSON
TOM WOODS

Unit Medic ..... SHANNON ELPHICK

Health & Safety Advisor ..... MARK KINGSTON

Security ..... PETER WEIRETER
GIOVANNI ZEQIREYA
Caterer ..... CHORLEY BUNCE
Production Assistants ..... PHOEBE MARKHAM
CRAIG JAMIESON
ALISON WINTER
CENAY SAID
RUTH ANTOINE
Unit Production Manager – Additional Photography ..... STEVEN HARDING
First Assistant Director – Additional Photography ..... TOBY HEFFERMAN
Foley Editor ..... HUGO ADAMS
Foley Artist ..... NICHOLAS BECKER
ADR Mixers ..... CHRIS NAVARRO
MARK DESIMONE
RIC SCHNUPP
ANDY STALLABRASS
Mix Technician ..... NICK DEL MOLINO
Loop Group ..... DANN FINK
GEORGE CAMPBELL
SARA KRIEGER
BRUCE WINANT
Conductor ..... GEOFF ALEXANDER
Vocals ..... LISA HANNIGAN
HALEY GLENNIE-SMITH
KATHERINE ELLIS
Orchestrator ..... DAVID BUTTERWORTH
Score Mixed & Recorded by ..... GARETH COUSINS
SAM OKELL
ANDREW DUDMAN
TOBY HULBERT
LEWIS JONES
MATT JONES
MARTIN HOLLIS
JOE KEARNS
Recorded at ..... ABBEY ROAD STUDIOS, LONDON
BRITISH GROVE STUDIOS, LONDON

Visual Effects by RISING SUN PICTURES

TONY CLARK	IAN COPE	DENNIS JONES
ADAM PASCHKE	PAUL KIRWAN	PREMAMURTI PAETSCH
SAM HANCOCK	SAM HODGE	SARAH McLAUCHLAN
BEN PASCHKE	DANIEL THOMPSON	DAN WILLS
MATTHEW SHAW	NICK PILL	DAMIEN THALLER
ALEX MEDDICK	ADAM POTTER	TIMOTHY BOWMAN

Mova Motion Capture Services by MOVA LLC

3-D Digital Services by PRIME FOCUS FILM

Senior Stereographer	RICHARD BAKER	
Head Of Production	MATTHEW BRISTOWE	
Stereo Management	VALERIA ARDINO	BARRY O'BRIEN
RAJAT ROY	EOIN GREENHAM	SHAYNE FARRIER
TOM CASTELLINI	BEN HARRISON	ROBERT HALL

Visual Effects by NHANCE

Cyber and Lidar Scanning by 4DMAX

Facial Scanning by LIGHTSTAGE LLC

Additional Cyber Scanning by XYZ RGB

Digital Intermediate by .....TECHNICOLOR CREATIVE SERVICES
Digital Colorist.....MAX HORTON
Digital Intermediate Producer..... TODD KLEPARSKI
Digital Intermediate Editor ..... DOM THOMSON
Titles Designed by ..... GONZALO GARCIA BARCHA
End Credits by..... FUGITIVE STUDIOS

"Angels Are Hard To Find"
Written and performed by Hank Williams Jr.
Courtesy of Curb Records Inc.

"Mera Joota Hai Japani"
Written by Shailendra and Shankar Jaikishan

"Sinigit Meerannguaq"
Written by Juaaka Lyberth

"Destination Anywhere"
Written and performed by Chris Benstead and Robin Baynton

"922 Anthem"
Written by Gaurav Dayal
Performed by 922 featuring Gaurav Dayal
Courtesy of Crucial Music Corporation

"Ready"
Written by Charles Leslie Scott and Chelsea Lynne Hinshaw
Performed by Charles Scott featuring Chelsea Williams
Courtesy of Bad Robot Productions

A MI MAMÁ, GRACIAS

The Producers would like to thank
GUILLERMO DEL TORO
ALEJANDRO GONZALEZ IÑARRITU
TIM SEXTON
JAMES CAMERON
DAVID FINCHER
ROBERT RICHARDSON
FRED WALDMAN
MARTY WICKMAN
BOB WOTHERSPOON
RYAN McGUIRE

Filmed at Shepperton Studios in England
On Location in Lake Powell, Arizona

Camera Equipment supplied by ARRI MEDIA
Camera Cranes supplied by LOUMA UK
Lighting Equipment by PANALUX & VER RENTALS

CORBIS

The Major League Baseball Trademarks depicted in this motion picture were licensed by the Major League Baseball Properties, Inc.

Color and Prints by TECHNICOLOR ®

KODAK Motion Picture Products

DOLBY Digital (logo) DATASAT (logo) SDDS (logo)

Approved #48004
Motion Picture Association of America IATSE

This motion picture
© 2013 Warner Bros. Entertainment Inc.
Story and Screenplay
© 2013 Warner Bros. Entertainment Inc.
Original Score
© 2013 Warner-Olive Music, LLC

Warner Bros. Distribution Closing Cloud Shield